

**Amendments to the Claims:**

The listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

Claim 1. (Currently Amended) A waveguide filter comprising:

a substrate, having an upper face that is coated on at least a portion thereof with a structured metallic layer and also has at least one metallic stripline disposed thereon; and

a component that is fitted to the upper face of the substrate;  
wherein

one side wall of the waveguide filter is formed by the structured metallic layer that is coated on the upper face of the substrate;

other side walls of the waveguide filter are formed by the component;

said waveguide filter has input and output points for coupling electromagnetic waves carried in the at least one metallic strip line to and from the waveguide filter;

a sidewall of the component which is opposite the upper face of the substrate has a structure; and

the component has a web which rests on the structured metallic layer on the upper face of the substrate, and which follows a contour of the structure of said sidewall which is opposite the upper face of the substrate.

Claim 2. (Previously Presented) The waveguide filter as claimed in claim 1, wherein the component is a surface mounted device.

Claim 3. (Cancelled)

Claim 4. (Previously Presented) The waveguide filter as claimed in claim 1, wherein a cross section of the component is chosen in accordance with predeterminable filter characteristics of the waveguide filter.

Claim 5. (Cancelled)

Claim 6. (Currently Amended) A waveguide filter, comprising:

a substrate; ~~at least partially coated with~~

a structured metallic layer coated on at least a first portion of the substrate; [[.]]

a surface mounted device fitted on said structured metallic layer and forming a plurality of surfaces of said waveguide filter; and

at least one metallic stripline that is formed on at least a second portion of said substrate, for carrying electromagnetic waves.

Claim 7. (Currently Amended) The waveguide filter as claimed in claim 6, wherein the ~~component~~ surface mounted device has a circumferential web which rests on the structured metallic layer on the upper face of the substrate.

Claim 8. (Currently Amended) The waveguide filter as claimed in claim 6, wherein a cross section of the ~~component~~ surface mounted device is chosen in accordance with predeterminable filter characteristics of the waveguide filter.

Claim 9. (Currently Amended) The waveguide filter as claimed in claim 6, wherein a side wall of the ~~component~~ surface mounted device which is opposite the upper face of the substrate has a structure which can be predetermined for corresponding appropriate filter characteristics.

Claim 10. (Previously Presented) The waveguide filter as claimed in claim 2, wherein a cross section of the component is chosen in accordance with predeterminable filter characteristics of the waveguide filter.

Claim 11. (Previously Presented) The waveguide filter as claimed in claim 3, wherein a cross section of the component is chosen in accordance with predeterminable filter characteristics of the waveguide filter.

Claim 12. (Previously Presented) The waveguide filter as claimed in claim 2, wherein a side wall of the component which is opposite the upper face of the substrate has a structure which can be predetermined for corresponding appropriate filter characteristics.

Claim 13. (Previously Presented) The waveguide filter as claimed in claim 3, wherein a side wall of the component which is opposite the upper face of the substrate has a structure which can be predetermined for corresponding appropriate filter characteristics.

Claim 14. (Previously Presented) The waveguide filter as claimed in claim 4, wherein a side wall of the component which is opposite the upper face of the substrate has a structure which can be predetermined for corresponding appropriate filter characteristics.